CLAIM AMENDMENTS:

Please amend the claims as indicated:

1-26. *(CANCELED)*

26. *(CURRENTLY AMENDED)* A method for eliminating redundant sequences that are common between two samples, the method comprising of the steps:

    isolating RNA strands from a first sample;

    isolating RNA strands from a second sample;

    generating cDNA strands from the RNA strands from the first sample;

    mixing the cDNA strands of the first sample with the RNA strands from the second sample;

    hybridizing the cDNA strands and RNA strands with common sequences to form cDNA/RNA ~~compliments~~ complements, the cDNA strands and the RNA strands without common sequences remaining unhybridized cDNA strands and unhybridized RNA strands; and

    degrading the cDNA/RNA ~~compliments~~ complements to leave the unhybridized cDNA strands and the unhybridized RNA strands.

27. *(PREVIOUSLY PRESENTED)* The method of Claim 26, wherein the step of generating cDNA strands from the RNA strands from the first sample comprises performing RT-PCR.

28. *(CANCELLED)*

29. *(PREVIOUSLY PRESENTED)* The method of Claim 26, wherein the first sample is a healthy tissue and the second sample is a diseased tissue.

30. *(PREVIOUSLY PRESENTED)* The method of Claim 26, wherein the first sample is a diseased tissue and the second sample is a healthy tissue.

31. *(PREVIOUSLY PRESENTED)* The method of Claim 26, further comprising:

    amplifying the unhybridized cDNA strands using PCR.

32. *(PREVIOUSLY PRESENTED)* The method of Claim 26, further comprising:
    producing a second set of cDNA strands from the unhybridized RNA strands.

33. *(PREVIOUSLY PRESENTED)* The method of Claim 32, further comprising:
    amplifying the second set of cDNA strands using PCR.

34. *(CURRENTLY AMENDED)* The method of Claim 26, wherein the step of degrading
    ~~compliments~~ complements is performed with an Exonuclease III enzyme.

35. *(CANCELLED)*

36. *(PREVIOUSLY PRESENTED)* The method of Claim 26, further comprising:
    displaying at least one of the unhybridized cDNA strands and the unhybridized RNA
    strands.

37. *(PREVIOUSLY PRESENTED)* The method of Claim 36, wherein the step of displaying
comprises using electrophoresis.

38. *(PREVIOUSLY PRESENTED)* The method of Claim 26, further comprising:
    reading at least one of the unhybridized cDNA strands and the unhybrized RNA strands
    with an autoradiogram.

39. *(PREVIOUSLY PRESENTED)* The method of Claim 26, wherein the first and second
samples are selected from the group consisting of cells, tissues, pathogens, plants, and animals.

40. *(PREVIOUSLY PRESENTED)* The method of Claim 26, wherein the first and second sample
are differentiated due to a diseased state, developmental change, or induced by an external or
internal stimulus.

41. *(CURRENTLY AMENDED)* A method for determining differences between a first sample of cDNA strands and a second sample of RNA strands, the method comprising of the steps:

    mixing the first sample of cDNA strands with the second sample of RNA strands;

    hybridizing the cDNA strands and the RNA strands with common sequences to form cDNA/RNA ~~compliments~~ complements, the cDNA strands and the RNA strands without common sequences ~~remaning~~ remaining unhybridized cDNA strands and unhybridized RNA strands;

    degrading the cDNA/RNA ~~compliments~~ complements to leave the unhybridized cDNA strands and the unhybridized RNA strands; and

    analyzing at least one of the unhydridized cDNA strands and the unhybridized RNA strands to determine differences between the first sample and the second sample.

42. *(CANCELLED)*

43. *(PREVIOUSLY PRESENTED)* The method of Claim 41, further comprising:

    amplifying the unhybridized cDNA strands using PCR.

44. *(PREVIOUSLY PRESENTED)* The method of Claim 41, further comprising:

    producing a further set of cDNA strands from the unhybridized RNA strands.

45. *(PREVIOUSLY PRESENTED)* The method of Claim 44, further comprising:

    amplifying the further set of cDNA strands using PCR.

46. *(CURRENTLY AMENDED)* The method of Claim 41, wherein the step of degrading ~~compliments~~ complements is performed with an Exonuclease III enzyme.

47. *(CANCELLED)*